

IN THE ABSTRACT:

Please amend the Abstract to read as follows, a clean copy of the corrected Abstract appearing at the end of this Amendment:

– – Abstract

~~The invention relates to aircraft automatic control systems. Its use for providing flight safety of civil aircrafts allows to obtain the technical result in the form of reducing a probability of a missile hit on a civil aircraft and ensuring protection reliability in optical interference environment. This technical result is achieved in the method due to steps of: determining the fact of a missile launch; determining missile coordinates in every time moment; generating pulse periodic laser radiation, wherein a wavelength range of the laser radiation is within a sensitivity range of infrared seeker head, a power of the laser radiation exceeds the power of radiation of the aircraft engine in the sensitivity range of the infrared seeker head, and a pulse repetition frequency is close to typical operation frequency of the infrared seeker head; and sending the laser radiation to the point of presence of the missile in the given time moment. This result is ensured in the system by arranging at an aircraft and employing sensors of missile launch fact and coordinates, a transceiver having a turn drive and an optical channel which output is connected to a sensor of missile coordinates at a missile flight trajectory, an on-board calculator, and a laser radiation generator having an actuation device.~~ A method and apparatus for protecting a civil aircraft from missiles with infrared seeker heads includes detecting a launch of a missile from a location of launch, the missile having an infrared seeker head with an infrared sensitivity range, a power and an operation frequency, continuously determining instantaneous coordinates of the missile in flight after the launch and generating pulsed laser radiation. A wavelength range of the pulsed laser radiation is within the sensitivity range of the infrared seeker

head, a power of the pulsed laser radiation exceeds the power of radiation of the aircraft engine in the sensitivity range of the infrared seeker head and a pulse repetition frequency of the pulsed laser radiation is at about the operation frequency of the infrared seeker head. The method includes sending the pulsed laser radiation to the instantaneous coordinates of the missile in flight. – –